

NOTES ON THE TETRIGINÆ OF UTAH

BY O. WILFORD OLSEN¹

The purpose of this paper is to list and give the distribution of the species of grouse locusts of the subfamily *Tetriginæ* of Utah, now in the Brigham Young University collection.

A study of the literature reveals that only two genera and two species have been reported for the state. Hancock in "The Tettigidæ of North America," 1902, pp. 164-165, reports *Acrydium granulatum* Scud. (*Tettix granulatus* Scud.) and *Paratettix texanus* Hanc., both taken by Dr. E. A. Schwarz in 1891 at American Fork, Utah. Blatchley ("Orthoptera of Northeastern America," 1920, p. 177) regards *Paratettix texanus* Hanc. "as an absolute synonym of *cucullatus*."

Hancock reports eleven genera and sixty-four species of *Tetriginæ* for North America, of which four genera and twenty species may be considered to have a range extending into the western United States. Of those extending westward four genera and seven species are reported in this paper.

Annually during the past few years Dr. Vasco M. Tanner, head of the Department of Zoölogy and Entomology, has conducted collecting expeditions throughout the state, although with no especial attention directed toward the collection of these diminutive forms.

The following is a list of the species and their distribution: *Nemotettix cristatus* (Scud.), det. by Rehn, 1928.

1 ♂, Provo; 1 ♀, Logan Canyon, Toney's Ranger Station, June 17, 1926, by Vasco M. Tanner; 1 ♂, 2 ♀, Sheep Creek, Duchesne County, June 24, 1926, by V. M. Tanner.

Acrydium granulatum (Scud.), det. by Rehn, 1928.

3 ♂, 2 ♀, Provo, April, 1927, by O. Wilford Olsen, A. B. Call and D. E. Beck; 2 ♂, 1 ♀, May, 1927, East Shore Utah Lake, by D. E. Beck; 1 ♀, East Shore Utah Lake, October, 1928, by O. W. Olsen; 1 ♂, Rosevere Creek, Raft River Mountains, June 15, 1928, by D. E. Beck; 1 ♂, Bears Ears, Elk Ridge, by V. M. Tanner; 2 ♀, Aspen Grove, Mt. Timpanogos, 6800 feet, by V. M. Tanner; 1 ♂, Farr West, June 11, 1926, by V. M. Tanner; 1 ♂, Unknown.

¹ Contribution from the Department of Zoölogy and Entomology of the Brigham Young University, Provo, Utah.

Acrydium brunneri (Bolivar).

1 ♀, Piute Reservoir, Junction, July 13, 1927, by Clarence Cottam; 1 ♀, Provo, April, 1927, by D. E. Beck.

Acrydium acadicum (Scud.), det. by Rehn, 1928.

1 ♂, Sheep Creek, Duchesne County, June 24, 1926, by V. M. Tanner.

Paratettix cucullatus (Burmeister), det. by Rehn, 1928.

7 ♂, 3 ♀, Riverdale, Weber River, June 8, 1926, by V. M. Tanner and J. D. C. Brown; 1 ♀, Moab, June 9, 1927, by V. M. Tanner; 2 ♂, 1 ♀, Farr West, June 11, 1926, by V. M. Tanner; 1 ♂, East Shore Utah Lake, by V. M. Tanner.

Paratettix toltecus (Sauss.), det. by Rehn, 1928.

1 ♂, Zion National Park, August 27, 1926, by V. M. Tanner; 1 ♀, Zion National Park, April 18, 1924, by V. M. Tanner; 1 ♀, 2 ♂, St. George, August, 1925, by V. M. Tanner; 1 ♂, East Shore Utah Lake, by V. M. Tanner.

Apotettix rugosus (Scud.).

1 ♂, Moab, June 10, 1927, by V. M. Tanner.

References

Blatchley, W. S.

1920, Orthoptera of North Eastern America, pp. 149-179.

Essig, E. O.

1926, Insects of Western North America, pp. 70-71.

Hancock, John L.

1902, The Tettigidae of North America.

1900, Synopsis of Subfamilies and Genera of North American Tettigidae, Psyche 9 No. 285, p. 6.

Hebard, Morgan.

1925, The Orthoptera of South Dakota, Proc. Acad. Nat. Sci. Phil., vol. LXXVII, pp. 33-155, see pp. 44, 45, 46 and 49.

ADDITIONS TO THE OSHANIN KATALOG

The following three Pentatomids from the palæarctic region of China have been received by the California Academy of Sciences: Mrs. Dora E. Wright took one specimen of *Cazira bhoutanica* Schout. at Tung-lu, Che-Chiang Province, May 22, 1926, and Dr. E. C. Van Dyke took *Megarrhynchus intermedius* Voll. and *Urochela distincta* Dist. at Nanking and Hangchow, China, all well within the area included as palæarctic by Oshanin.—E. P. Van Duzee.